



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

12

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,975	10/07/2003	Joachim Laurenz Naimer	UNI1773-007	4775
33717 7590 02/08/2007 GREENBERG TRAURIG LLP 2450 COLORADO AVENUE, SUITE 400E SANTA MONICA, CA 90404			EXAMINER TRAN, DALENA	
		ART UNIT 3661	PAPER NUMBER	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

EXAMINER

ART UNIT      PAPER

20070201

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/679,975	NAIMER ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Dalena Tran	3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 14 November 2006.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 33-36 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 33-36 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date: _____   | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### Notice to Applicant(s)

1. This office action is responsive to the amendment filed on 11/14/06. As per request, claims 1-32 have been cancelled. Claims 33-36 have been added. Thus, claims 33-36 are pending.

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 33-34, are rejected under 35 U.S.C.103(a) as being unpatentable over Staggs et al. (6,685,541) in view of Feyereisen et al. (US 2003/0132860 A1).

As per claim 33, Staggs et al. disclose an electronic display for presenting data from a vertical speed source aboard an aircraft, wherein display comprises: a fractional section of an arcuate vertical speed indicator scale (see columns 7-8, lines 62-2); a vertical speed indicator marker (see column 7, line 60); wherein fractional section has non-linear graduations marked thereon in the vicinity of vertical speed indicator marker (see figure 1); TCAS resolution advisory indicators along a periphery of vertical speed indicator scale wherein TCAS resolution advisory indicators are shown during a TCAS resolution advisory condition, and wherein an attribute of vertical speed indicator marker changes to match an attribute of TCAS resolution advisory indicators during the advisory condition (see column 6, lines 53-54; and columns 7-8, lines 58-4). Staggs et al. do not disclose TCAS resolution advisory condition triggers an increase in size of electronic

display. However, Feyereisen et al. disclose TCAS resolution advisory condition triggers an increase in size of electronic display (see [0063-0068]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Staggs et al. by combining TCAS resolution advisory condition triggers an increase in size of electronic display to emphasize to the pilot the level of emergency and dangerous level so the pilot can determine an appropriate action to prevent collision to increase safety.

As per claim 34, Staggs et al. disclose the attribute is a color (see columns 13-14, lines 57-21).

4. Claims 35-36, are rejected under 35 U.S.C.103(a) as being unpatentable over Staggs et al. (6,685,541) in view of Feyereisen et al. (US 2003/0132860 A1), and Gordon et al. (6,686,851).

As per claim 35, Staggs et al. disclose an electronic display for presenting data from a vertical speed source aboard an aircraft, wherein display comprises: a fractional section of an arcuate vertical speed indicator scale (see columns 7-8, lines 62-2); a vertical speed indicator marker comprising a pointer (see column 7, line 60) showing a vertical speed of the aircraft as indicated by the vertical speed source, wherein fractional section of vertical speed indicator scale shows nonlinear graduations marked thereon in the vicinity of vertical speed indicator marker (see figure 1), TCAS resolution advisory indicators along a periphery of vertical speed indicator scale wherein TCAS resolution advisory indicators are shown during a TCAS resolution advisory condition, and wherein an attribute of vertical speed indicator marker changes to match an attribute of TCAS resolution advisory indicators during the advisory condition (see column 6, lines 53-54;

Art Unit: 3661

and columns 7-8, lines 58-4). Staggs et al. do not disclose TCAS resolution advisory condition triggers an increase in size of electronic display. However, Feyereisen et al. disclose TCAS resolution advisory condition triggers an increase in size of electronic display (see [0063-0068]). Also, Staggs et al. do not disclose a digital numeric display. However, Gordon et al. disclose a digital numeric display (see columns 5-6, lines 41-10), and wherein fractional section of a vertical speed indicator scale shown by electronic display will change relative to the vertical speed depicted by vertical speed indicator marker (see column 5, lines 41-65). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Staggs et al., by combining TCAS resolution advisory condition triggers an increase in size of electronic display to emphasize to the pilot the level of emergency and dangerous level so the pilot can determine an appropriate action to prevent collision to increase safety, and a numeric display for indicate the present vertical speed to the pilot.

As per claim 36, Staggs et al. disclose the attribute is a color (see columns 13-14, lines 57-21).

### Remarks

5. Applicant's argument filed on 11/14/06 has been fully considered. Upon updated search, the new ground of rejection as above. Staggs et al. (6,685,541), Feyereisen et al. (US 2003/0132860 A1), and Gordon et al. (6,686,851) still discloses the claims invention as above. There is no new reference in this rejection.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968.

Art Unit: 3661

The examiner can normally be reached on M-F 6:30 AM-4:00 PM), off every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner  
Dalena Tran

February 1, 2007

